

## BEST AVAILABLE COPY



(19)

(11) Publication number:

Generated Document.

## PATENT ABSTRACTS OF JAPAN

(21) Application number: 08340423

(51) Int'l. Cl.: G01N 27/28 G01N 27/327

(22) Application date: 06.12.96

(30) Priority:

(43) Date of application publication: 26.06.98

(71) Applicant: CASIO COMPUT CO LTD

(84) Designated contracting states:

(72) Inventor: TOYAMA TADAHISA

(74) Representative:

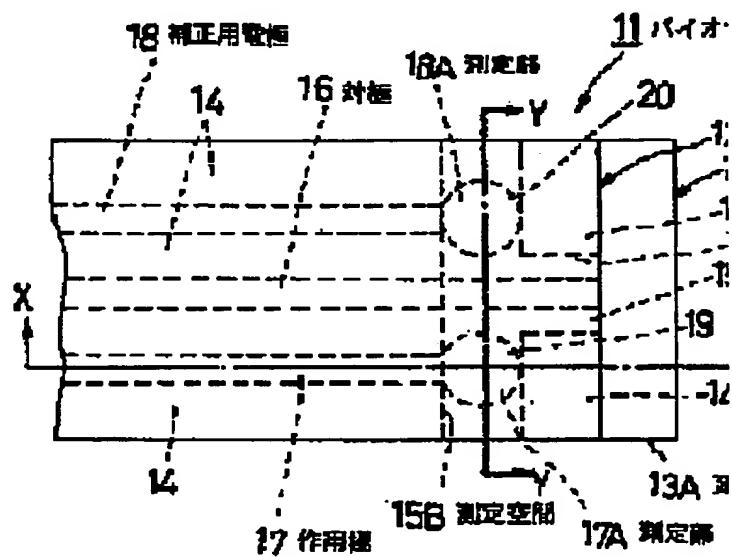
## (54) BIOSENSOR

(57) Abstract:

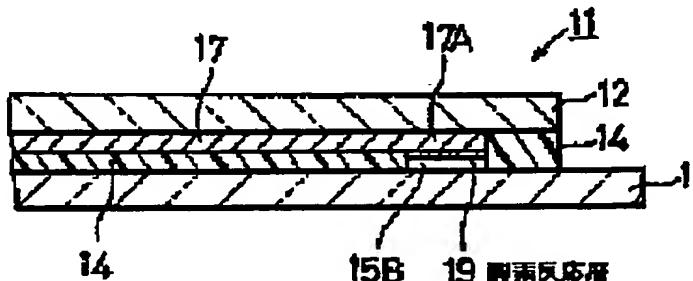
**PROBLEM TO BE SOLVED:** To provide a biosensor which can introduce a sample solution quickly to an introduction space and can be manufacture with ease.

**SOLUTION:** An operating electrode 17 and a correction electrode 18 are formed to be parallel to each other on a lower face of an upper glass substrate 12. An opposite electrode 16 is formed at an upper face of a lower glass substrate 13. The upper and lower glass substrates 12, 13 are bonded via a spacer 14 so that the operating electrode 17, correction electrode 18 and opposite electrode 16 are exposed in a hollow part 15 defined by a T-shaped notch in the spacer 14 and upper and lower glass substrates 12, 13. At the same time, the operating electrode 17 and correction electrode 18, and the opposite electrode 16 are arranged not to overlap with each other on a plane. In the structure, a sample solution introduced from a sample solution introduction port 15A is easily sent into a measurement space 15B by a capillary phenomenon without being influenced by the water-repellency of the opposite electrode. Accordingly, a concentration can be measured quickly.

(a)



(b)



(c)

